

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	5	"5383295"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/16 11:31
S2	3	"6512331"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/16 11:31
S3	15	("3190178"   "3405025"   "4403831"   "4584501"   "4703574"   "4742278"   "4990826"   "5036243"   "5051648"   "5089745"   "5126632"   "5281898"   "5383295").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/16 11:35
S4	545	313/483	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/16 12:16
S5	615	313/484	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/17 10:40
S6	514	S5 not S4	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/16 14:44
S7	2	("6653661").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/02/16 15:33
S8	2	("6762556").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/02/16 15:33
S9	186	313/609	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/16 15:37
S10	186	313/609	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/16 16:44
S11	172	313/610	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/17 10:56

## EAST Search History

S12	186	313/609	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/17 07:51
S13	172	313/610	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/17 07:51
S14	79	S13 not S12	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/17 08:40
S15	1971	313/493	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/17 08:40
S16	545	313/483	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/17 08:40
S17	615	313/484	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/17 08:40
S18	1731	S15 not(S12 not S13 or S16 or S17)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/17 08:41
S19	1731	S15 not (S12 not S13 or S16 or S17)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/17 08:41
S20	1077	313/485	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/17 10:40
S21	539	S20 not (S12 or S13 or S15 or S16 or S17)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/17 10:40
S22	64	313/612	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/17 10:56
S23	27	S22 not (S12 or S13)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/17 12:04
S24	1675	313/634	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/17 12:04

## EAST Search History

S25	1352	313/634 and gas	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/17 12:04
S26	1188	313/634 and gas and electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/17 12:04
S27	1048	313/634 and gas and electrode and (diameter or width or thick\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/17 12:05
S28	985	313/634 and gas and electrode and (diameter or width or thick\$4) and discharge	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/17 12:21
S29	1971	313/493	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/17 12:06
S30	545	313/483	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/17 12:06
S31	615	313/484	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/17 12:06
S32	1077	313/485	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/17 12:06
S33	602	S28 not (S29 or S30 or S31 or S32)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/17 12:06
S34	1177	313/582 and gas and electrode and (diameter or width or thick\$4) and discharge	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/17 12:21
S35	859	S34 not (S28 or S29 or S30 or S31 or S32)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/17 12:43
S36	2	("5281898").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/02/17 12:43

## EAST Search History

S37	3	("4403831").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/02/17 12:44
S38	2	("5383295").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/02/17 12:44
S39	2	("5383295").URPN.	USPAT	OR	ON	2006/02/17 12:58
S40	16	("2158968"   "3190178"   "3405025"   "4403831"   "4584501"   "4703574"   "4742278"   "4990826"   "5036243"   "5051648"   "5089745"   "5126632"   "5281898").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/17 12:58